REFERENCE LIST:

36 DUAL REGISTER BURNERS
18 FRONT WALL, 18 REAR WALL

ITM.	DESCRIPTION	DWG.-NO.	MK-NO	RB-614 QTY.	RB-615/617 QTY.
A	INNER SLIDING SLV 70° OUTER RGTR ASSY 6 CW 6 CCW	157155D	1 & 2	18CW 18CCW	24CW 24CCW
B	OUTER REGISTER FRAME CUT-OUT REAR PLATE (196388C)	179890B	1 & 4	36	48
C	OUTER REGISTER FRAME CUT-OUT FRONT PLATE (196398C)	179891B	1 & 2	36	48
D	THROAT SLEEVE	196990C	2	36	48
E	THROAT SLEEVE CASING	173634B	5	36	48
F	21" DIFFUSER COAL NOZZLE ASSY "X" 10'-5 5/8"	188483C		36	48
G	INNER AIR SLEEVE	173695B	1	36	48
H	21" SEGMENTED COAL ELBOW ASSY	199591C	1	36	48
J					
K					
L	COVER PLATE	199599C	1 & 2	36	48
M	MOUNTING PLATE	167660B	1	36	48
N					
P	HANDLE & QUADRANT ASSY. (VANE) "L"x 7'-9 1/8"	183366C		36	48
O	OPERATOR HANDLE ASSY. (SLIDING SLV) "L"x 7'-10 1/4"	188477C		36	48
R	HANDLE & QUADRANT ASSY. (OUTER REGISTER) "L"x 8'-6 3/8"	183367C		36	48
S	OIL LIGHTER CFA 18 RH, 18 LH	269375E	1 & 2	18RH 18LH	24RH 24LH
T	OBSERVATION DOOR ASSY.	203788C		36	48
U	SCANNER SUPPORT ASSY. "L"16"-10"	106150A	-	36	48
V	REGISTER SUPPORT BRACKET	179491B	1,2&3	108	144
W	AIR VANE	145545D	26	36	48
X	AIR VANE ALTERATION	179989B		180	240
Y	THREADED BAR (AIR VANE LINKAGE)	133995A		36	48
Z	INNER AIR ZONE DISK	196998C		36	48
AA	INNER AIR ZONE DISK CUT OUT FRONT PLATE (157155D SYM."N")	179893B	1 & 2	36	48
AB	INNER AIR ZONE DISK ALTERATION	179892B	1 & 2	36	48
AC	TEE SCRD. 1/2" 3000# SA105 3008/5362			72	96
AD	PLUG SCRD. 1/2" SQ. HD. 3000# SA105 5000/5362			72	96
AE					
AF	SUPPLY HOSE 3/8" ANACONDA BWZ1-1 X 57' LG. WITH GALVANIZED STEEL INTERLOCKED CONDUIT W/STYLE SHMW BOTH ENDS C.S. FITTINGS.			72	96
AG	VALVE BALL SCRD 1/2" WORCESTER 5846R-SE 600#			36	48
AH	VALVE GLOBE SCRD 1/2" VOGT 12443			36	48
AJ					
AK	NIP. TBE 4092/5361 SA106B 1/2" SCH. 080 X 3" LG.			144	192
AL	PIPE A120 3" SCH 040 X 6'-10" TOE NPT			36	48
AM	BUSHING SCRD 1/2" X 3/8" SA105 2916/5362			72	96
AN	UNION SCRD 1/2" 3000# SA105 2836/5362			72	96
AP	REGISTER SUPPORT BRACKET RETAINER	135865A	1	144	192
AQ	PLUG SCRD 3/4" SQ.HD. 125#			36	48

EIGHT (8) SETS OF LIGHTER MAINTENANCE TOOLS - ONE (1) SET PER BNR ROW

REVISIONS

(revision table, 6 entries, dates and approvals)

1	...	DLS/JJ
2	...	SBC/JJ
3	...	DLS/LE
4	...	DLS/LE
5	...	SBC/LE
6	...	SBC/LE

CW REGISTER CW VANES SHOWN

SEE ARRANGEMENT DWGS. FOR DIRECTION OF
RGTR. AND VANE AIR FLOW FOR ALL BURNERS

OPERATOR HANDLE SLIDING SLEEVE
POWER SUPPLY UNIT
SEE G1
OBSERVATION DOOR
LIGHTER & MAIN FLAME SCANNER SEE S8 & G3 TYPE UM53A
OUTER REGISTER HANDLE & QUADRANT
OIL SUPPLY
ATOMIZING AIR SUPPLY
HORIZONTAL ₵ BURNER
REGISTER SUPPORT BRACKET SEE G2 & NE5
AIR VANE HANDLE & QUADRANT
VERTICAL ₵ BURNER

45° 22°30' 12°30' 22°30' 30°

"A" "B" "C" "F"

NOTES:

1. FOR LIST OF REFERENCE DRAWINGS & NOTES SEE DRAWING NO. 197002C.

2. QUANTITIES INDICATED ARE FOR ONE (1) UNIT. EQUIPMENT TO BE IDENTICAL FOR ALL FOUR (4) UNITS, EXCEPT FOR PLASMA TORCH LIGHTERS WHICH ARE TO BE FURNISHED FOR THE LOWER BURNER LEVEL OF UNIT 1 ONLY. (B&W CONTRACT RB-614)

3. THIS DRAWING REPRESENTS THE UPPER THREE BNR. ELEVATIONS FRONT & REAR WALL

LIGHTER REMOVAL SPACE = 17'-3"
L=12'-0 7/8"   MS=6'-5 5/8"   LS=10'-1 1/2"

APPROXIMATE WEIGHT OF LIGHTER PROBE EQUALS 11 LBS
APPROXIMATE WEIGHT OF LIGHTER GUN EQUALS 22 LBS

2'-5 1/2" 20" STROKE
58" THROAT
40" ID SLEEVE
22" ALLOY
6'-3" O.D. 70" REGISTER
24" O.D. 23" I.D.
22" O.D. 21" I.D.
21" I.D.
2'-3 1/2" B.C.
2'-6" O.D.
10'-0" INSIDE WINDBOX

6 WALL TUBES 2 1/2" O.D. TUBES ON 3" CTRS.

INTERMOUNTAIN POWER PROJECT
STEAM GENERATOR UNITS 1,2,3 & 4
PROJECT FILE 9255.62.3401
IPA CONTRACT 2010N

21-58T-40S-70R
INDOOR UNIT SUCTION FIRED

THIS IS A CAD DRAWING
DO NOT REVISE MANUALLY

DWN. BY J.W. SABATINE
CHKD. BY J. JENNINGS
APPROD BY O.A.O.
APPR. BY O.A.OYLER

SECTIONAL ASSEMBLY
DUAL REGISTER BURNER

BABCOCK & WILCOX
A McDERMOTT COMPANY

334-0615-39		
334-0616-38	RB-0614	
334-0617-39		

5-10008

294359E 6

SECTION "A-